

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **11188968 A**

(43) Date of publication of application: **13 . 07 . 99**

(51) Int. Cl.

B41M 5/00
B32B 27/00

(21) Application number: **09367226**

(22) Date of filing: **25 . 12 . 97**

(71) Applicant: **KIMOTO & CO LTD**

(72) Inventor: **OTA TETSUJI**
AIKAWA TAKAYUKI
YAMAGUCHI MASAYUKI

(54) INK JET RECORDING MATERIAL

(57) Abstract:

PROBLEM TO BE SOLVED: To provide an ink jet recording material wherein even if a thin ink recipient layer is provided, sufficient ink-absorbing properties can be provided for multiple color recording, and at the time of manufacturing and preservation thereof, curls can be prevented from being generated for temperatures and humidity and bending can be easily effected, and moreover a high dimensional stability is provided so that waviness can be prevented from being generated on the surface of a recording area of the material after recording.

SOLUTION: In the ink jet recording material, an ink recipient layer comprising a hydrophilic resin is

provided on a non-woven fabric comprising polyvinyl alcohol fibers on a supporting body which is prepared by pasting up the non-woven fabric on one side of a synthetic resin film. The hydrophilic resin includes also a water-soluble resin, and as the hydrophilic resin, even if there is no specific limit, resins such as starch, gelatin, casein, sodium alginate, methyl cellulose, carboxymethyl cellulose, poly(vinyl pyrrolidone), polyvinyl alcohol, polyethylene glycol, poly(methacrylic acid), poly(methacrylic acid ester), copolymers of these resin, or modified resins, single resin or a mixture of these resins, can be used. And particularly, poly(vinyl pyrrolidone) and polyvinyl alcohol are effective since the resin itself has good ink absorbing property.

COPYRIGHT: (C)1999,JPO